



0-075

(57)Abstract:

PURPOSE: To improve a mounting density on a circuit board by forming a plurality of chip capacity varistors within one chip.

CONSTITUTION: After a voltage nonlinear resistance ceramic material is printed on green sheets 2, 3 of four green sheets 1-4 and dried, conductive paste is further so printed by a doctor blade method as to become a predetermined shape, and dried to form inner electrodes 5, 6a, 6b. A capacity varistor element is formed of a pair of the electrodes 5, 6a and a pair of the electrodes 5, 6b held at both sides of the material for forming the sheet 2 of the electrodes 5, 6a, 6b. Then, after the sheets 1-4 are laminated and thermally press-bonded, a sintered material is formed. This material is barrel-polished to expose the electrodes 5, 6a, 6b from its side, coated at exposed parts with the paste, thereby forming electrodes 7, 8 connected to the electrodes 6a, 6b and electrodes 9a, 9b connected to the electrode 5.

(11)Publication number : 06-325977

(43)Date of publication of application : 25.11.1994

(51)Int.Cl.

H01G 4/40

H01F 15/00

H01F 17/00

H03H 7/075

0

(21)Application number : 05-112642

(71)Applicant : MITSUBISHI MATERIALS CORP

(22)Date of filing : 14.05.1993

(72)Inventor : UCHIDA AKIRA
KOJIMA YASUSHI

(54) PI LC FILTER AND PI LC FILTER ARRAY